MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7422-1BL00-0AA0

DIGITAL TRANSISTOR OUTPUT MODULE

Used with the applicable SIMATIC S7-400 SM 422 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens technical documentation for 6ES7422-1BL00-0AA0

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Product data sheet 6ES7422-1BL00-0AA0



SIMATIC S7-400,
SM 422 DIGITAL OUTPUT MODULE,
OPTIC. ISOLATED, 32 DO, 24V DC, 0.5A

Supply voltage	
Load voltage L+	
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Input current	
from load voltage L+ (without load), max.	30 mA
from backplane bus 5 V DC, max.	200 mA
Power losses	
Power loss, max.	4 W
Digital outputs	
Number/binary outputs	32
Limitation of inductive shutdown voltage to	-27 V
Lamp load, max.	5 W
Output voltage	

subject to modifications
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for signal "1", min.	L+ (-0.3 V)
Output current	
for signal "1" rated value	0.5 A
for signal "1" permissible range for 0 to 60 °C, min.	5 mA
for signal "1" permissible range for 0 to 60 °C, max.	0.6 A
for signal "0" residual current, max.	0.3 mA
Switching frequency	
with resistive load, max.	100 Hz
with inductive load, max.	0.5 Hz
Aggregate current of outputs (per group)	
all mounting positions	
up to 60 °C, max.	2 A ; 8 adjacent outputs each
Cable length	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Galvanic isolation	
Galvanic isolation digital outputs	
between the channels, in groups of	32
between the channels and the backplane bus	Yes
Isolation	
Isolation checked with	500 V DC
Dimensions	
Width	25 mm
Height	290 mm
Depth	210 mm
Weight	
Weight, approx.	600 g
Status	Sep 24, 2012

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